

**CITY COUNCIL AGENDA MEMORANDUM****SUBJECT:**

Resolution No. **8533** authorizing execution of Amendment #2 to the Professional Engineering Services Agreement with HDR Engineering, Inc. (Clerk's Receiving No. 47737), increasing the total contract amount from \$1,568,776 to \$3,694,986 to advance design on the 124<sup>th</sup> Avenue NE Improvements projects, NE 14<sup>th</sup> Street to Northup Way (CIP Plan No. PW-R-166) and NE 12<sup>th</sup> Street to NE 14<sup>th</sup> Street (CIP Plan No. PW-R-169).

**FISCAL IMPACT:**

This action obligates the City to increase the contract total for the Professional Engineering Service Agreement with HDR Engineering, Inc., by \$2,126,210 from \$1,568,776 to \$3,694,986 to accomplish the following:

- Final design for widening 124<sup>th</sup> Avenue NE between NE 14<sup>th</sup> Street and Northup Way, including developing construction contract documents for 124<sup>th</sup> Avenue NE, between NE 14<sup>th</sup> Street and NE 18<sup>th</sup> Street (CIP Plan No. PW-R-166);
- Initiate preliminary design for widening 124<sup>th</sup> Avenue NE between NE 12<sup>th</sup> Street (Bel-Red) and NE 14<sup>th</sup> Street (CIP Plan No. PW-R-169); and
- Prepare environmental documentation for the 124<sup>th</sup> Avenue NE corridor.

<b>Consultant Agreement with HDR Engineering, Inc.</b>			
Original Agreement	30% Design	Resolution No. 8264	\$818,512
Amendment #1	60% Design	Resolution No. 8461	750,264
Amendment #2	Final Design	Tonight's Action	\$2,126,210
<b>Total Amended Agreement</b>			<b>\$3,694,986</b>

This amount is fully funded through the 2013-2019 Capital Investment Program (CIP Plan Nos. PW-R-166 and 169).

<b>CIP Plan No.</b>	<b>Funding Description</b>	<b>Amount</b>
PW-R-166	124th Avenue NE - NE 14th Street to Northup Way	\$1,477,191.00
PW-R-169	124th Avenue NE - NE 12th Street to NE 14th Street	649,019.00
Total		<u>\$2,126,210.00</u>

The following tables provide the financial status of each project:

Project Category: Roadways  
 CIP Plan No: PW-R-166  
 Project Name: 124th Avenue NE - NE 14th Street to Northup Way

(\$000)

	Current Budget	LTD Expenditures	Total Projected Expenditures	Projected Balance	<i><b>This Action</b></i>	Actual / Projected Completion Date
Phase I (Design)	\$3,334	\$913	\$3,334	\$0	<b>\$1,477</b>	Q4-14
Phase II (Right-of-Way)	1,806	7	1,806	0	<b>0</b>	Q4-14
Phase III (Construction)	3,770	0	3,770	0	<b>0</b>	Q4-15
Total	\$8,910	\$920	\$8,910	\$0	<b>\$1,477</b>	

The design cost in PW-R-166 includes added cost to design Sound Transit's Light Rail undercrossing and to coordinate other design elements with Sound Transit. The current project budget for the right-of-way and construction phases of the project reflects the estimated costs for the City's portion of the project only.

Project Category: Roadways  
 CIP Plan No: PW-R-169  
 Project Name: 124th Avenue NE - NE 12th Street to NE 14th Street

(\$000)

	Current Budget	LTD Expenditures	Total Projected Expenditures	Projected Balance	<i><b>This Action</b></i>	Actual / Projected Completion Date
Phase I (Design)	\$1,184	\$0	\$800	\$384	<b>\$649</b>	Q1-14
Phase II (Right-of-Way)	0	0	0	0	<b>0</b>	-
Phase III (Construction)	236	0	236	0	<b>0</b>	Q3-14
Total	\$1,420	\$0	\$1,036	\$384	<b>\$649</b>	

At the time of the 2013-2019 CIP development, it was anticipated that the preliminary design work on 124<sup>th</sup> Avenue NE between NE 12<sup>th</sup> Street and NE 14<sup>th</sup> Street would occur in the 2018-2019 timeframe. The advancement of the Spring District development to the west of the 124<sup>th</sup> Avenue NE corridor is necessitating that the preliminary design be accelerated to ensure compatibility with the Spring District development, and the environmental review for the 124<sup>th</sup> Avenue NE corridor. This will result in a net saving of the assumed inflation cost since the preliminary design will be completed sooner. Staff continues to monitor overall cash flow needs in the CIP.

This action and its fiscal impact are consistent with the Mobility and Infrastructure Initiative (M&II) and the 2013-2019 CIP project scopes. All engineering design, right-of-way acquisition, and construction costs will be tracked for inclusion in a potential future Bel-Red Corridor Local Improvement District (LID), should it be formed.

**STAFF CONTACT:**

David Berg, Director, 452-6468

Ron Kessack, Assistant Director, 452-4631

Mike Mattar, Capital Projects Engineering Manager, 452-4318

Marina Arakelyan, Senior Project Manager, 452-4632

*Transportation Department*

**POLICY CONSIDERATION:**

Council-adopted Capital Investment Program (CIP), Transportation Facilities Plans (TFP), and Sub-Area Transportation priorities within the City's Comprehensive Plan.

**Overall:**

- S-BR-4: Developing and implementing a phased approach so that transportation, open space, and other infrastructure is in place or committed to serve the needs of growth.

**Urban Design:**

- S-BR-25: Providing a strong consideration of urban places, character, and aesthetics in the design and implementation of all street projects.

**Environment:**

- S-BR-26: Promoting the rehabilitation of streams and adjacent riparian corridors to enhance the natural environment and public benefits.
- S-BR-26: Protecting and enhancing wetlands.
- S-BR-30: Considering the coordination of storm water mitigation, as an effective means to achieve broader environmental benefits.

**Transportation:**

- S-BR-52: Incorporating natural drainage practices to enhance the natural environment into transportation projects where appropriate, effective, and feasible.
- S-BR-59: Designing arterials in a manner contributing to community character, open-space, and environmental enhancements.
- S-BR-62: Including pedestrian and bicycle facilities in the design of arterial street improvements.
- S-BR-68: Working with Sound Transit to realize the City's preferred light rail route, alignment, and station locations.
- S-BR-75: Developing and implementing strategies to minimize neighborhood cut-through traffic associated with Bel-Red development.

**Implementation:**

- S-BR-78: Implementing the Bel-Red Plan through capital investments, and other public and private strategies.
- S-BR-81: Allowing development to advance in sync with and including the building of public infrastructure; consistent with the phasing approach of Policy S-BR-4.

**Inter-Jurisdictional Coordination:**

- S-BR-I77: Coordinating with Sound Transit in providing transportation projects and services needed.

**BACKGROUND:**

The 124<sup>th</sup> Avenue NE project between NE 14<sup>th</sup> Street and Northup Way is part of the M&II, which was developed to address unprecedented growth in downtown Bellevue and to support planned

growth in the Bel-Red and Wilburton areas. The objectives of the M&I include encouragement of economic vitality and appropriate redevelopment of the area's urban design and identity.

During the 2011-2017 CIP budget development, Council authorized staff to proceed with developing 60% design plans for improvements on 124<sup>th</sup> Avenue NE between NE 14<sup>th</sup> Street and Northup Way. Advancing the engineering to a 60% design level ensured design compatibility and integration with other projects in the area that interface with 124<sup>th</sup> Avenue NE, such as Sound Transit's East Link Segment D retained cut between 120<sup>th</sup> Avenue NE and 124<sup>th</sup> Avenue NE, the City's NE 15<sup>th</sup>/16<sup>th</sup> Street Extension project, the Spring District Master Plan Development, open-space enhancement/trail connections along the West Tributary upper reach of Kelsey Creek, the City's West Tributary Enhancement project, and Bel-Red Storm Water Management Plan.

The 60% design of the 124<sup>th</sup> Avenue NE project is being completed in two phases. The first phase funded the initial consultant agreement to develop the preliminary 30% design, which identified the selected horizontal and vertical alignments for the widening of 124<sup>th</sup> Avenue NE. An Open House was held on May 10, 2012 to get public input on the proposed alternatives and to solicit other comments and suggestions from the public. The 30% design, based on the selected preferred alignment, was completed in September 2012. Amendment #1 to the consultant agreement funded the advancement of the design from 30% to 60% design level. Completion of the 60% design phase is anticipated in June 2013.

Tonight's Council action will authorize the execution of Amendment #2 to the consultant agreement with HDR Engineering, Inc. to accomplish the following work elements:

Proposed NE 14<sup>th</sup> Street to Northup Way:

Advance the 60% design to final design for the widening of 124<sup>th</sup> Avenue NE between NE 14<sup>th</sup> Street and Northup Way. This includes preparation of construction contract documents for full implementation between NE 14<sup>th</sup> and NE 18<sup>th</sup> Streets. The timing of construction of 124<sup>th</sup> Avenue NE between NE 14<sup>th</sup> and NE 18<sup>th</sup> Streets will be coordinated with the timing of construction of Sound Transit's East Link project in the area. This work also includes coordination with Sound Transit's engineering design to ensure forward compatibility with Sound Transit's East Link retained cut alignment, which crosses under 124<sup>th</sup> Avenue NE. The joint coordination and collaboration with Sound Transit will continue to explore cost reduction opportunities, while ensuring delivery of a quality improvement, and assigning responsibilities for associated costs. This work also includes coordination with other projects such as the open-space enhancement/trail connection and crossing at the West Tributary, the Spring District Master Plan Development, the City's West Tributary Enhancement project, and the Bel-Red Storm Water Management Plan.

124<sup>th</sup> Avenue NE – NE 12<sup>th</sup> to NE 14<sup>th</sup> Streets:

This work will develop preliminary 30% design to establish the roadway vertical and horizontal alignments and cross-sections; identify potential private property impacts, mitigation, and potential site access modifications; develop preliminary storm water and water quality plans, develop preliminary right-of-way acquisition and construction cost estimates. This preliminary design work is needed, at this time, to ensure that future roadway design in this section of 124<sup>th</sup> Avenue NE is compatible and integrated with private development projects in the area. This work also includes the evaluation and, potentially, the implementation of neighborhood protection measures in the Wilburton area, if needed.

124<sup>th</sup> Avenue NE Corridor Environmental Documentation:

This work includes the preparation of all environmental documentation needed under SEPA for the 124<sup>th</sup> Avenue NE corridor from NE 8<sup>th</sup> Street to Northup Way, and environmental documentation

needed under NEPA, in the event that any segment of the 124<sup>th</sup> Avenue NE corridor receives federal grant funding.

**Relevant Past Council Actions:**

On December 6, 2010, Council approved Ordinance No. 5978, adopting the 2011-2012 Budget and 2011-2017 Capital Investment Program Plan (CIP). As part of the revised CIP Plan, the 124<sup>th</sup> Avenue NE Improvements project (CIP Plan No. PW-R-166) was funded with a budget of \$1.8 million. This funding was established to advance the design of the 124<sup>th</sup> Avenue NE project up to a 60% level of design.

On July 18, 2011, Council approved Resolution No. 8264 authorizing execution of a consultant agreement with HDR Engineering, Inc. (Clerk's Receiving No. 47737), to develop 30% design for 124<sup>th</sup> Avenue NE, between NE 14<sup>th</sup> Street and Northup Way (CIP Plan No. PW-R-166).

On November 15, 2011, Council approved Resolution No. 8322, entering into a Memorandum of Understanding (MOU) with Sound Transit for intergovernmental collaboration and coordination for the East Link Project, and supporting an ongoing coordination and collaboration effort to provide opportunities for reducing costs and ensure the delivery of a quality improvement through a joint effort, as Sound Transit advances design of their project toward a 60% design level.

On October 15, 2012, Council approved Resolution No. 8461 authorizing the execution of Amendment #1 to the Professional Engineering Service Agreement with HDR Engineering, Inc., increasing the total contract amount from \$818,512 to \$1,568,776 to advance the engineering from 30% to 60% level, including developing 60% design plans, specifications, and cost estimate for future improvements on 124<sup>th</sup> Avenue NE, between NE 14<sup>th</sup> Street and Northup Way (CIP Plan No. PW-R-166).

**EFFECTIVE DATE:**

If approved, this Resolution becomes effective immediately upon Council adoption.

**OPTIONS:**

1. Approve Resolution No. 8533 authorizing execution of Amendment #2 to the Professional Engineering Services Agreement with HDR Engineering, Inc. (Clerk's Receiving No. 47737), increasing the total contract amount from \$1,568,776 to \$3,694,986 to advance design on the 124<sup>th</sup> Avenue NE Improvements projects, NE 14<sup>th</sup> Street to Northup Way (CIP Plan No. PW-R-166) and NE 12<sup>th</sup> Street to NE 14<sup>th</sup> Street (CIP Plan No. PW-R-169).
2. Do not approve Resolution No. 8533 and provide alternative direction to staff.

**RECOMMENDATION:**

Approve Resolution No. 8533 authorizing execution of Amendment #2 to the Professional Engineering Services Agreement with HDR Engineering, Inc. (Clerk's Receiving No. 47737), increasing the total contract amount from \$1,568,776 to \$3,694,986 to advance design on the 124<sup>th</sup> Avenue NE Improvements projects, NE 14<sup>th</sup> Street to Northup Way (CIP Plan No. PW-R-166) and NE 12<sup>th</sup> Street to NE 14<sup>th</sup> Street (CIP Plan No. PW-R-169).

**MOTION:**

Move to Adopt Resolution No. authorizing execution of Amendment #2 to the Professional Engineering Services Agreement with HDR Engineering, Inc. (Clerk's Receiving No. 47737), increasing the total contract amount from \$1,568,776 to \$3,694,986 to advance design on the 124<sup>th</sup> Avenue NE Improvements projects, NE 14<sup>th</sup> Street to Northup Way (CIP Plan No. PW-R-166) and NE 12<sup>th</sup> Street to NE 14<sup>th</sup> Street (CIP Plan No. PW-R-169).

**ATTACHMENTS:**

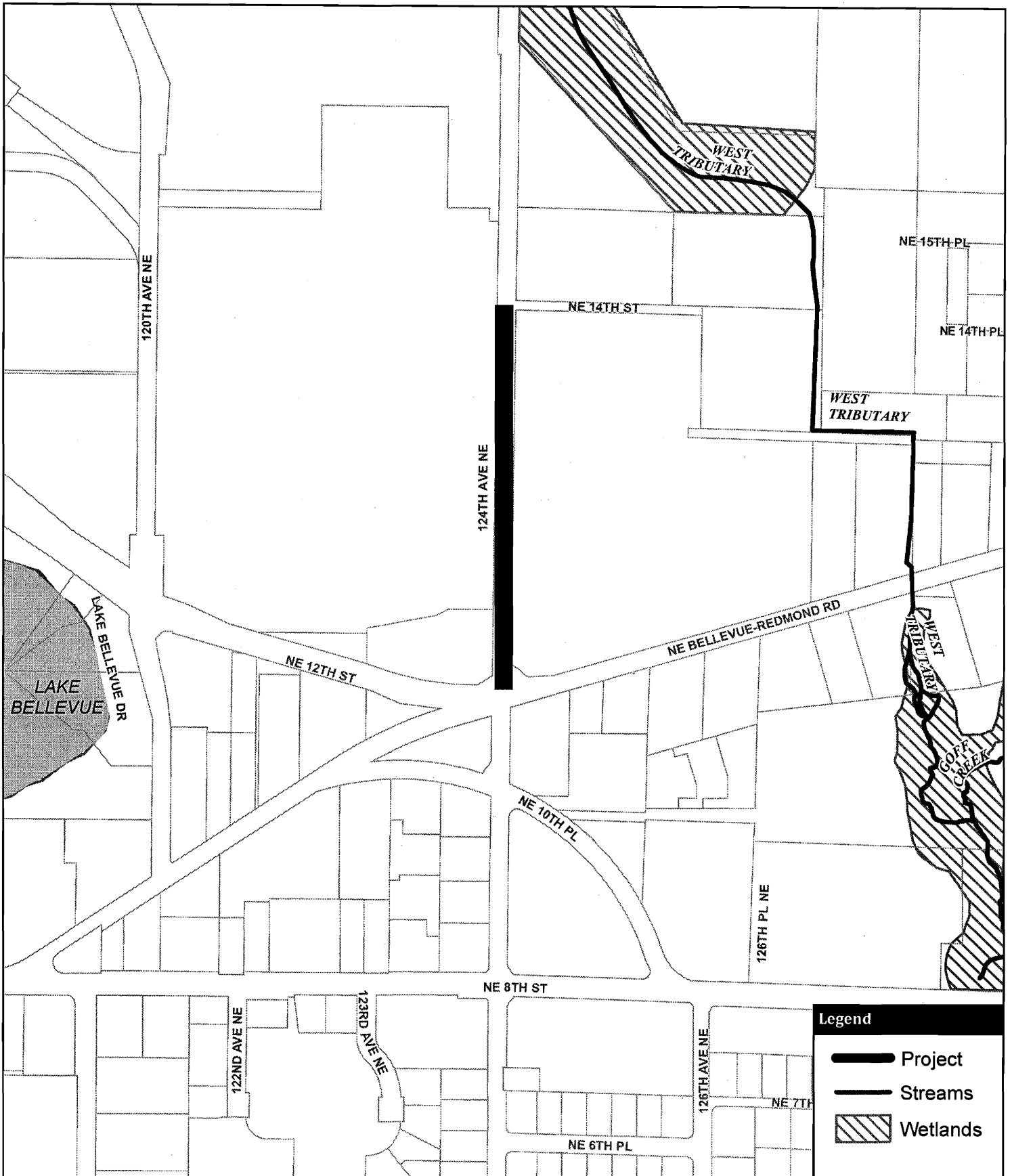
Vicinity Map

CIP Project Description (PW-R-166 and PW-R-169)




Proposed Resolution No. 8533

**AVAILABLE IN THE COUNCIL OFFICE:**

Final Draft of Amendment to the Professional Service Agreement



#### Legend

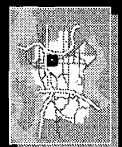
-  Project
-  Streams
-  Wetlands



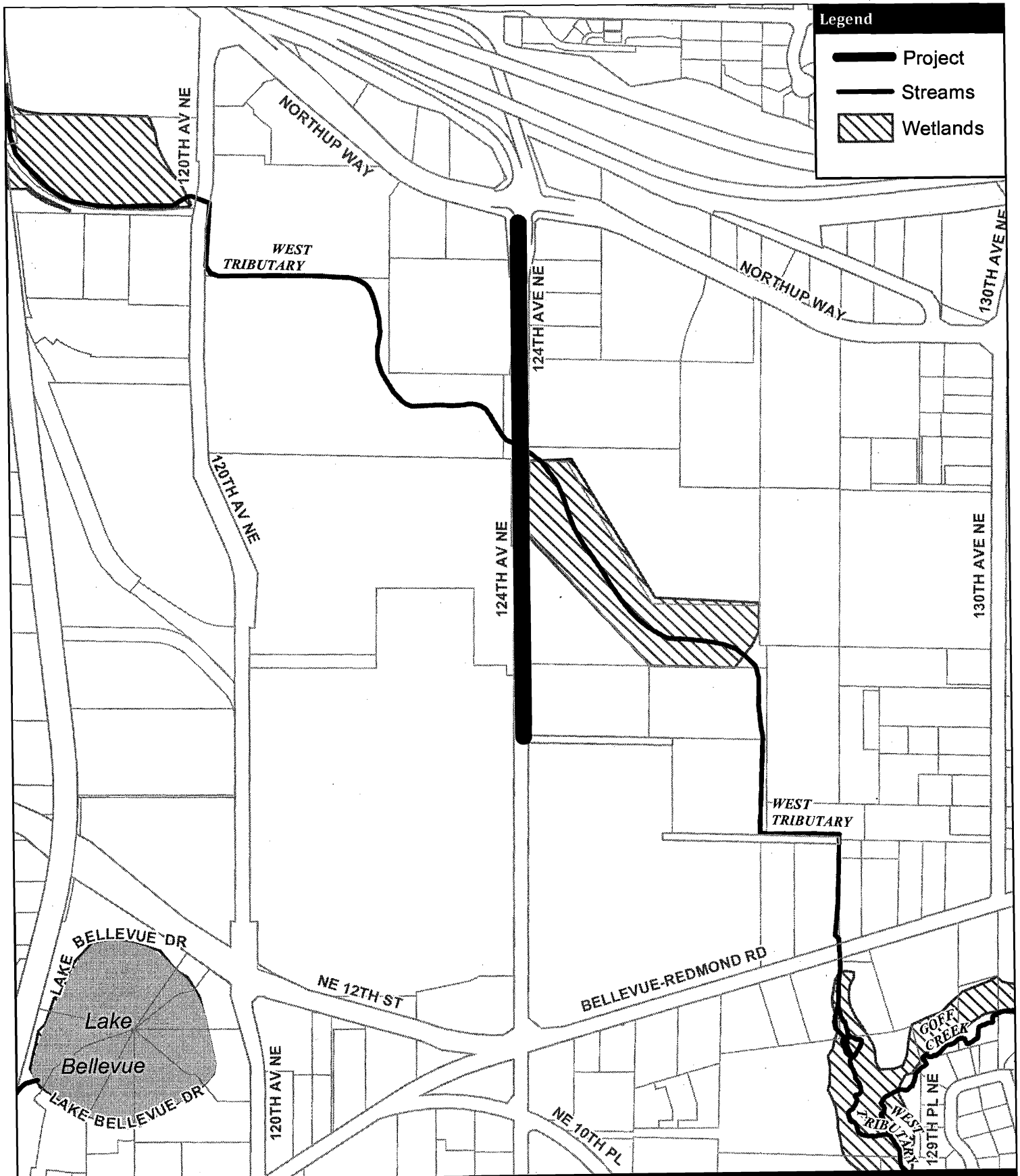
City of  
Bellevue  
GIS Services

Vicinity map

## 124th Ave NE- Bel-Red Road to NE 14th Street



400  
Feet



# Legend

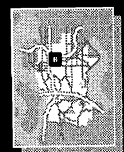
- Project
- Streams
- Wetlands



City of  
Bellevue  
GIS Services

Vicinity map

124th Ave NE- Proposed  
15th/16th St to Northup Way



600

Feet



**PW-R-166 124th Ave NE Improvements - NE 14th St to Northup Way**

Category: **Roadways**  
 Department: **Transportation**

Status: **Approved and Begun**  
 Location: **Bel-Red Subarea**

**Programmed Funding**

<u>Programmed Funding</u>	<u>Appropriated To Date</u>	<u>FY 2013 Budget</u>	<u>FY 2014 Budget</u>	<u>FY 2015 Budget</u>	<u>FY 2016 Budget</u>	<u>FY 2017 Budget</u>	<u>FY 2018 Budget</u>	<u>FY 2019 Budget</u>
<b>8,910,988</b>	<b>1,003,000</b>	<b>918,900</b>	<b>940,954</b>	<b>1,806,325</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>4,241,809</b>

**Description and Scope**

This project will widen 124th Avenue NE from NE 14th Street to Northup Way. The roadway cross-section will consist of five lanes, including two travel lanes in each direction with turn pockets or a center turn lane. The project will improve, or install where missing, curb, gutter and sidewalk or multipurpose trail on both sides, illumination, landscaping, irrigation, storm drainage, and water quality treatment. The project will include on-street bike facilities between NE 14th Street and the alignment of a planned east-west regional trail facility in the NE 15th/NE 16th Street vicinity. Between NE 14th and NE 18th Streets, the project will be designed and constructed in coordination with Sound Transit and the undercrossing of the East Link light rail line project in this vicinity. The project will be designed and constructed to reflect Bel-Red urban design criteria and to accommodate any necessary new and/or relocation of utility infrastructure. The project implementation will also be coordinated with private development in the vicinity and the development of 124th Avenue NE Improvements – NE 12th to NE 14th Streets (CIP Plan No. PW-R-169) and the NE 15th Street improvements to the west of the 124th Avenue NE corridor (Zones 1 and 2; CIP Plan Nos. PW-R-172 and 173).

The current project budget is intended to fully fund the design phase for the entire project length and full implementation of the segment between NE 14th and NE 18th Streets consistent with the project scope described above. Project implementation may occur in phases or include interim facilities dependent upon funding availability and coordination with other Bel-Red area capital investments or private developments.

**Rationale**

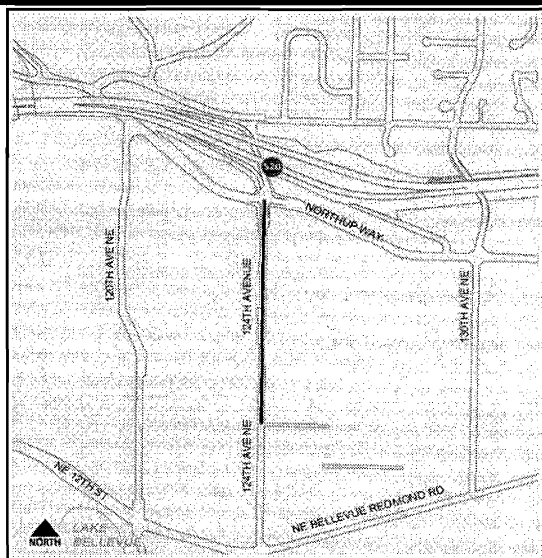
The 124th Avenue NE project is one of a number of high priority transportation investments that will improve access, circulation, and mobility options for passenger cars, transit, freight, pedestrians, and bicycles to and between Downtown Bellevue, Wilburton, and the new Bel-Red transit-oriented-development nodes, and the larger city and region. This project in coordination with the extension of NE 4th Street, a widened and realigned 120th Avenue NE corridor, the planned NE 6th Street extension, and the new NE 15th/16th Street multi-modal corridor have been associated and advanced as part of the Mobility and Infrastructure Initiative (M&I) of 2009. The package of projects was formed to address recent growth, accommodate planned new land use development in the vicinity, and to ensure coordinated design and implementation with the Sound Transit East Link light rail project.

**Environmental Impacts**

A project specific environmental determination, consistent with federal requirements, will be made during the project design phase. A citywide programmatic environmental review including this project was conducted as part of the citywide 2009-2020 Transportation Facilities Plan update. Programmatic impact and mitigation documentation is included in the 2009-2020 TFP Final Environmental Impact Statement, published in March 2009.

**Operating Budget Impacts**

Ongoing maintenance and operations costs of the new facilities will be determined during the project's design phase.

**Project Map****Schedule of Activities**

<u>Project Activities</u>	<u>From - To</u>	<u>Amount</u>
Project Costs	2011 - 2019	8,910,988
<b>Total Budgetary Cost Estimate:</b>		<b>8,910,988</b>

**Means of Financing**

<u>Funding Source</u>	<u>Amount</u>
Federal Grants	1,000,000
Special Benefit Offset/LID	804,000
General Taxes/LTGO Bond Proceeds	3,864,988
Transportation Impact Fees	3,242,000
<b>Total Programmed Funding:</b>	<b>8,910,988</b>
<b>Future Funding Requirements:</b>	<b>0</b>

**Comments**

**Description and Scope:** The project description was updated to advance 60% design to final design for the widening of 124th Avenue NE between NE 14th and Northup Way and funds full implementation of the roadway improvements between NE 14th Street and NE 18th Street.

**Capital Costs/Revenue:** Capital costs increased by \$7,111,000, including \$6,203,000 increase to fund full implementation of the project and \$908,000 increase due to added inflation.

**FY2013-2019 Capital Investment Program**

**PW-R-169 124th Ave NE - Bel-Red Road to NE 14th Street**

Category: **Roadways**  
 Department: **Transportation**

Status: **New**  
 Location: **Bel-Red Subarea**

**Programmed Funding**

<u>Programmed Funding</u>	<u>Appropriated To Date</u>	<u>FY 2013 Budget</u>	<u>FY 2014 Budget</u>	<u>FY 2015 Budget</u>	<u>FY 2016 Budget</u>	<u>FY 2017 Budget</u>	<u>FY 2018 Budget</u>	<u>FY 2019 Budget</u>
<b>1,419,310</b>	-	-	-	-	-	-	<b>114,954</b>	<b>1,304,356</b>

**Description and Scope**

This project will complete preliminary design for the widening of 124<sup>th</sup> Avenue NE from NE 12<sup>th</sup> Street (Bel-Red Road) to approximately NE 14<sup>th</sup> Street. The roadway cross-section will consist of five lanes, including two travel lanes in each direction with turn pockets or a center turn lane; bike lanes, curb, gutter, and sidewalk on both sides; and illumination, landscaping, irrigation, storm drainage and water quality treatment, intersection, and signal system improvements. The project will be designed and ultimately constructed to reflect Bel-Red urban design criteria and to accommodate any necessary new and/or relocation of utility infrastructure. This project will also evaluate if and what mitigation measures may be designed, and may implement measures, to protect residential communities south of NE 8<sup>th</sup> Street from potential traffic impacts. The project design will also be coordinated with the design and implementation of 124<sup>th</sup> Avenue NE Improvements – NE 14<sup>th</sup> Street to Northup Way (CIP Plan No. PW-R-166).

Future project implementation may occur in phases or include interim facilities dependent upon funding availability and coordination with other Bel-Red area capital investments or private developments.

**Rationale**

The 124th Avenue NE project is one of a number of high priority transportation investments that will improve access, circulation, and mobility options for passenger cars, transit, freight, pedestrians, and bicycles to and between Downtown Bellevue, Wilburton, the new Bel-Red transit-oriented-development nodes, and the larger city and region. This project in coordination with the extension of NE 4<sup>th</sup> Street, a widened and realigned 120<sup>th</sup> Avenue NE corridor, the planned NE 6<sup>th</sup> Street extension, and the new NE 15<sup>th</sup>/16<sup>th</sup> Street multi-modal corridor have been associated and advanced as part of the Mobility and Infrastructure Initiative (M&I) of 2009. The package of projects was formed to address recent growth, accommodate planned new land use development in the vicinity, and to ensure coordinated design and implementation with the Sound Transit East Link light rail project.

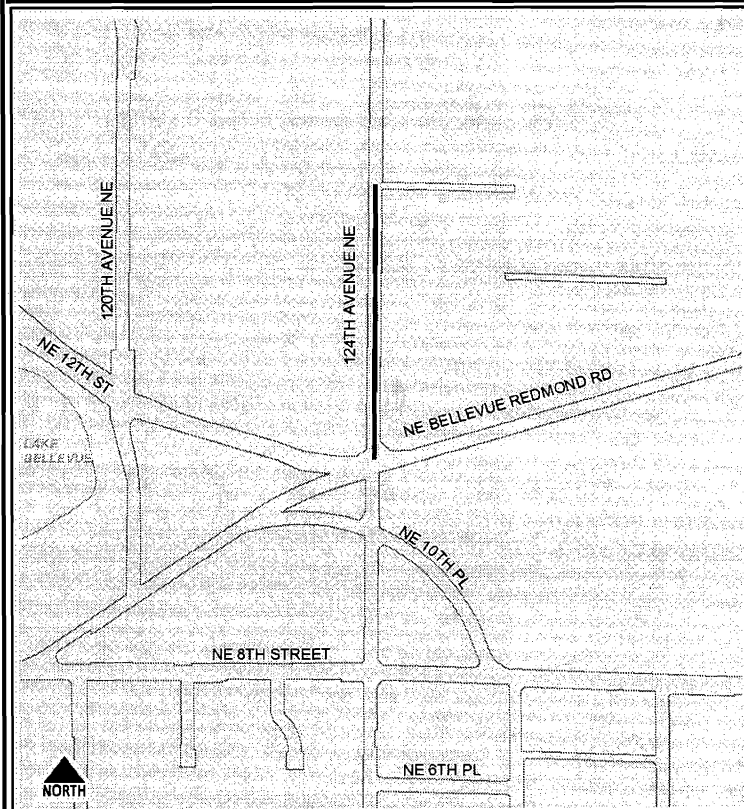
**Environmental Impacts**

An environmental determination will be made in conjunction with a final design for this project.

**Operating Budget Impacts**

Ongoing maintenance and operations costs of the new facilities will be determined during the project's design phase.

**Project Map**



**Schedule of Activities**

<u>Project Activities</u>	<u>From - To</u>	<u>Amount</u>
Project Costs	2018 - 2019	1,419,310

**Total Budgetary Cost Estimate:** 1,419,310

**Means of Financing**

<u>Funding Source</u>	<u>Amount</u>
General Taxes	1,419,310

**Total Programmed Funding:** 1,419,310  
**Future Funding Requirements:** 0

**Comments**

CITY OF BELLEVUE, WASHINGTON

RESOLUTION NO. 8533

A RESOLUTION authorizing execution of amendment #2 to the Professional Engineering Services Agreement with HDR Engineering, Inc., (Clerk's receiving No. 47737) increasing the total contract amount from \$1,568,776 to \$3,694,986, to advance design on the 124th Avenue NE Improvements projects, NE 14th Street to Northup Way (CIP Plan No. PW-R-166), and NE 12th Street to NE 14th Street (CIP Plan No. PW-R-169).

THE CITY COUNCIL OF THE CITY OF BELLEVUE, WASHINGTON, DOES RESOLVE AS FOLLOWS:

Section 1. The City Manager or his designee is hereby authorized to execute amendment #2 to the Professional Engineering Services Agreement with HDR Engineering, Inc., (Clerk's receiving No. 47737) increasing the total contract amount from \$1,568,776 to \$3,694,986, to advance design on the 124th Avenue NE Improvements projects, NE 14th Street to Northup Way (CIP Plan No. PW-R-166), and NE 12th Street to NE 14th Street (CIP Plan No. PW-R-169), Clerk's receiving No. \_\_\_\_\_.

Passed by the City Council this \_\_\_\_\_ day of \_\_\_\_\_, 2013, and signed in authentication of its passage this \_\_\_\_\_ day of \_\_\_\_\_, 2013.

(SEAL)

\_\_\_\_\_  
Conrad Lee, Mayor

Attest:

\_\_\_\_\_  
Myrna L. Basich, City Clerk